

YUNEVICH, D.P., kand. tekhn. nauk; CHERNENOK, V.Ya., inzh.

Deep subsurface drainage of floodland peat bogs. Gidr. i esl.
16 no.7:47-54 J1 '64. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii imeni A.N. Kostyakova.

YUNEVICH, V. I.

• USSR/Plant Physiology. Photosynthesis

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Abstr Jour : Ref Zhur-Biol., No 13, 1956, 58178

Author : Shlyk A. L., Gidnev T. N., Lyakhovich Ye. P.,
Kotlyar M. M., Yunavich V. I.

Inst : Institute of Biology, Academy of Sciences
Belorussian SSR

Title : A Study of the Restoration of Components of
Chlorophyll during its Accumulation

Orig Pub : Byul. In-ta Biol. AN BSSR, No 2, 1956, (1957)
63-71

Abstract : The investigation of the restoration of chloro-
phyll in the shoots of *Ceratophyllum demersum* L.
was carried out under conditions of its conti-
nued accumulation, with the help of marked atoms.
In calculating the relative specific activity
of chlorophyll the authors assumed that dicar-

• USSR/Plant Physiology. Photosynthesis

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Abstr Jour : Ref Zhur-Biol., No 13, 1956, 58178

Abstract : benic organic acids are the immediate predeces-
sors of chlorophyll. The preliminary data which
were obtained point to the greater probability
of the hypothesis of the subsequent biosynthe-
sis of chlorophyll b from chlorophyll a, as
opposed to the theory of their parallel for-
mation.

YUNEVICH, V.I.

SHAYK, A.A.; GODNEV, T.N.; LYAKHNOVICH, Y.P.; ROTFARB, R.M.; YUNEVICH, V.I.

Studying the restoration of chlorophyll components during its accumulation. Biol. Inst. biol. AN BSSR no.2:65-71 '57. (MIRA 11:2)
(Chlorophyll)

1. YUNEYEV, M. V.

2. USSR (600)

"Potentialities of Prospecting Geophysics In the Search for Manganese Deposits
in the Southern Uvals -- Materials of the All-Union Geological Institute."
Geofizika, Collection 12, 1948 (103-125)

9. Meteorologiya i Gidrologiya, No. 3, 1949.
~~Report~~ Report U-2551. 30 Oct 52

YUNG, G., Cand Tech Sci--(diss) "Effect of ^{assembled} ~~section~~ trains on the
traffic capacity of ^a ~~the~~ section." Mos, 1958. 15 pp (Min of Railways.
Mos Transport-Econom Inst), 110 copies (KL,26-58,113)

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USSR .

The effectiveness of phosphobacterin on acid soils of the Kirov province. L. A. Yang. *Patent Selection State Zashchita Zashchita* 1974. Culture prep. carrying 200 million *Agrobacterium* added in liquid or dry form (250 g. of culture/kg. of soil) the P availability and raised the yield in 75% of the soils. Soils with appreciable quantities of dry matter were more favorably. When placed in a phosphate soil, the *Agrobacterium* flora increased.

YUNG, L. A.

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SHTINA, E.A.; YUNG, L.A.

Use of soil algae in combination with bacterial fertilizers.
Agrobiologiya no.3:424-429 My-Je '63. (MIRA 16:7)

1. Kirovskiy sel'skokhozyaystvennyy institut.
(Soil inoculation) (Algae)

YUNG, P.F.

Effectiveness of organomineral fertilizers. Agrobiologia no.1:
95-98 Ja-F '60. (MIRA 13:5)

1. Falenskaya selektsionnaya stantsiya Nauchno-issledovatel'skogo
instituta sel'skogo khozyaystva severo-vostochnykh rayonov.
(Field crops--Fertilizers and manures)

YUNG, P. P.

Results of studies on organic-mineral fertilizers. Zemledelia 25
no.9:59-65 S '53. (MIRA 16:9)

1. Kirovskiy sel'skokhozyaystvennyy institut.
(Fertilizers and manures)

YIN-111.

1st and 2nd copies

PROCESSES AND PROPERTIES

VUNG, V. M.

Role of gypsum in the hardening of binding materials.
V. M. Vung. *Sbornik Trudov, Nauch Issledovani iau
Gipsinov Prom.*, 1943, pp. 18-22. Calcium sulfoaluminate
is formed as a result of the action of gypsum on binding ma-
terials containing Ca aluminates or their compounds which
are capable of forming hydrated compounds. The Ca
sulfoaluminate, which is formed during the period of the
plastic state and when the binding materials start to
harden, separates out in colloidal form, but with time it
changes into a crystalline formation. This represents the
typical process of setting and hardening of hydraulic bind-
ing materials in general. In sulfated cements the sulfo-
aluminate plays the role of an active and essential compo-
nent in the hardening. The sulfoaluminate will produce
no harmful effects provided the conditions are not favor-
able for the formation of a complex (insoluble, so-called
tetracalcium hydroaluminate). B.Z.K.

ASTM-313 METALLURGICAL LITERATURE CLASSIFICATION

63000 179.03170

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ACC NR: AP6035837

SOURCE CODE: UR/0413/66/000/020/0041/0041

INVENTOR: Berezinskiy, V. I.; Vol'fenzon, M. N.; Zakharov, G. A.; Il'in, A. G.; Pavlova, Ye. A.; Skachkov, A. M.; Shifrin, M. Sh.; Eydlin, I. I.; Yung, V. N.

ORG: none

TITLE: System for automatic regulation of the steam-main operation of a marine turbine unit. Class 14, No. 187041

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 41

TOPIC TAGS: turbine, steam turbine, engine turbine system, marine engine, marine engineering, *pressure regulator, automatic regulation*

ABSTRACT: An Author Certificate has been issued for a system for the automatic control of steam-main operation in marine-turbine units with steam takeoffs connected to units requiring dissimilar pressure, maintained by the use of pressure regulators, and to the cooled-steam circuit. To provide for the regulators' independent operation and to improve their functioning, the pressure regulators are connected parallel to the cooled-steam circuit. Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 12Jul65/

Card 1/1

UDC: 621.125.225.1-531.8

SHIFRIN, M.Sh., doktor tekhn. nauk; YUNG, V.N., inzh.

Control diagrams of the condensate system in marine steam
turbine plants. Sudostroenie 28 no.1:29-34, Ja '62.

(MIRA 16:7)

(Steam turbines, Marine)
(Feed water regulation)

GARBER, Ye.D., kand. tekhn. nauk; SOBOLEV, L.G., kand. tekhn. nauk; YUNG,
V.N., kand. tekhn. nauk

Extremum characteristics of marine boiler plants. Sudostroenie
30 no.9:19-21 S '64. (MIRA 17:11)

SHIFRIN, M.Sh., doktor tekhn.nauk; YUNG, V.N., inzh.; VOYTETSKIY, V.V., inzh.

Selecting a type of feedback in regulators of marine power plants.
Sudostroenie 29 no.10:22-26 0 '63. (MIRA 16:12)

YUNG, Y.E.

"Mechanism of Augmentation effect caused by adding Zn Salts to Thyrotropic Extracts."

Dok. AN, 29, No. 8-9, 1940; Dept. of Development Dynamics of the Organism.

Saratov State Univ.; c1940-

YUNG, Z.

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic Substances

E-3

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 7721

Author : Yung Z.

Inst : ~~Not Given~~

Title : Reactions with Xanthidrol. I. The Photometric Determination of Reserpine

Orig Pub : Ceskosl. farmac., 1957, 6, No 6, 299-302

Abstract : 50-250 μ g of reserpine (I) is dissolved in 5 ml of freshly prepared reagent (40 mg of xanthidrol is dissolved in a mixture of 100 ml of glacial CH_3COOH and 1 ml of con. HCl). A test tube containing a mixture of the reagent and the solution being analyzed is stoppered with a cotton plug and immersed for 15 minutes into a boiling water bath. The colored mixture is cooled in ice and photometric readings taken at 515 $\text{m}\mu$. The color is stable for ≥ 5 hours. Protoveratrine, the methyl ester of phenyl- α -piperidylacetic acid, hexamethonium and 1, 4-dihydrazinophthalazine do not interfere with the determination of I. From colored tablets I is extracted first

Card : 1/2

CZECHOSLOVAKIA/Analytical Chemistry - Analysis of Organic Substances

E-3

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, No 7721

with chloroform from a saturated NaHCO_3 solution. From tablets with a small amount of I and containing additional material which adsorb the alkaloid is extracted with chloroform from a 2% tartaric acid solution, into which the powdered sample has been introduced. If the tablets contain dyes also, the chloroform extract is washed beforehand with a NaHCO_3 solution. To prevent the formation of phosgene, alcohol is added prior to the evaporation of the CHCl_3 .

Card : 2/2

YUNG [2.]

CZECHOSLOVAKIA / Chemical Technology. Drugs. Vitamins.
Antibiotics.

H

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74973.

Author : Yung
Inst : Not given.
Title : Reactions with Xanthidrol. Photometric Determination of Yohimbine.

Orig Pub: Ceskosl. farm., 1957, 6, No. 8, 436-437.

Abstract: In the reaction between yohimbine (I) and xanthidrol (II), a color is developed due to the presence of indol in I. The color is similar to the one obtained from the reaction of II with Reserpine (Communication I, see: R. Zh. Khim., 1958, 7721). A solution of I in an organic solvent is evaporated to dryness on a water bath and to it is added 5 ml of the reagent (a solution of 40 mg of II in a mix-

Card 1/2

CZECHOSLOVAKIA / Chemical Technology. Drugs. Vitamins.
APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963120015-3"

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 74973.

Abstract: ture of 100 ml of glacial acetic acid and 1 ml of 35% HCl). The ingredients are mixed, the test tube is stoppered with a cotton plug and is placed into a boiling water bath for 15 minutes, after which time the tube is cooled in an ice bath, and is then kept at 18-20°C. The photometric readings are taken at 515m μ in a one cm. cuvette using a S 53 filter. The color is stable for \geq 5 hrs. For drug analysis, powdered tablets (with \sim 5mg of I) are shaken with 70 ml of 96% ethanol, diluted with it to 100 ml volume and filtered. Injection preparations, taken in an amount equivalent to 5mg. of I, are diluted directly with 96% ethanol to 100 ml volume. 2 ml of the solution is used for the analysis.

Card 2/2

IUNGA, YEVGENII

IUNGA, YEVGENII. Vykhod v okean. [Moskva] Voen. izd-vo, 1946. 137 p. DLC: G630.R819

SO: LC, Soviet Geography, Part I, 1951, Uncl.

YUNGA, Yevgeniy Semenovich; TARSKIY, Yu.S., red.; ANIKINA, R.P., tekhn.red.

[Always moving; true stories of the sea] Vsegda v puti; morskoe
byli. Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 445 p.
(MIRA 13:8)

(Voyages and travels)

BARKHATOV, G.V.; VASIL'YEV, V.G.; GRISHIN, G.I.; KARASEV, I.P.; KISELEV,
S.I.; KRAVCHENKO, Ye.V.; MORDOVSKIY, V.T.; TIKHOMIROV, YU.P.;
CHEPIKOV, K.R.; YUNGANS, S.M., ved.red.; FEDOTOVA, I.G., tekhn.red.

[Oil and gas in the eastern Siberian Platform] Neftegazonosnost'
Vostochno-Sibirskoi platvorny. Pod red. K.R. Chepikova. Moskva,
Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1958.
130 p. (MIRA 12:1)

1. Chlen-korrespondent AN SSSR (for Chepikov).
(Siberian Platform--Gas, Natural)
(Siberian Platform--Petroleum)

BARANOV, I.G., red.; GLUSHKO, V.V., red.; MUROMTSEV, A.S., red.; YUNGANS,
S.M., vedushchiy red.; ZARITSKAYA, A.I., vedushchiy red.;
FEDOTOVA, I.G., tekhn.red.

[Problems in prospecting for and the recovery of petroleum and
gas within the Ukraine; reports at an out-of-town session of
scientists of the All-Union Research Institute for Geological
Petroleum Prospecting and the All-Union Instrument Research
Institute] Voprosy poiskov, razvedki i dobychi nefi i gaza na
territorii USSR; doklady na vyezdnoi sessii uchenykh sovetov
VNIGNI i VNIIL, prokhodivshoi v g. L'vove v mae 1957 g. Pod red.
I.G.Baranova, V.V.Glushko i A.S.Muromtseva. Moskva, Gos.nauchno-
tekhn., izd-vo nefi. i gorno-toplivnoi lit-ry, 1959. 282 p.
(MIRA 12:6)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy geologo-raz-
vedochnyy neftyanoy institut.
(Ukraine--Petroleum--Geology)

LADYZHENSKIY, Nikolay Romanovich, prof.; ANTIPOV, Viktor Ivanovich; POR-
FIR'YEV, V.B., akademik, red.; YUNGANS, S.M., vedushchiy red.;
VORONOVA, V.V., tekhn. red.

[Geology, and gas and oil potentials of the Soviet cis-
Carpathian region] Geologicheskoe stroenie i gazonaftenosnost'
Sovetskogo Predkarpat'ia. Moskva, Gos. nauchno-tekhn. izd-vo
neft. i gorno-toplivnoi lit-ry, 1961. 265 p. (MIRA 14:10)

1. Akademiya nauk USSR (for Porfir'yev)
(Carpathian Mountain region—Petroleum geology)
(Carpathian Mountain region—Gas, Natural—Geology)

SVISHCHEV, Mikhail Fedorovich; ZUBOV, I.P., kand. geol.-miner. nauk,
red.; YUNGANS, S.M., ved.red.; VOROB'YEVA, L.V., tekhn. red.

[Geology, and oil and gas potentials of Orenburg Province] Geo-
logicheskoe stroenie i neftegazonostost' Orenburgskoi oblasti.
Moskva, Gostoptekhizdat, 1961. 227 p. (MIRA 15:6)

(Orenburg Province--Petroleum geology)

(Orenburg Province--Gas, Natural--Geology)

SULTANOV, Sagday Akhmad'yevich; KHAR'KOV, Vladimir Afanas'yevich;
DAKHNOV, V.N., doktor geol.-miner. nauk, red.; YUNGAS, S.M.,
ved. red.; YAKOVLEVA, Z.I., tekhn. red.

[Controlling the movement of water-oil contacts and oil-
bearing contours] Kontrol' za prodvizheniem vodo-neftianogo
kontakta i konturov neftenosnosti. Pod red. V.N.Dakhmova.
Moskva, Gostoptekhhizdat, 1962. 166 p. (MIRA 15:12)
(Oil reservoir engineering)

POLSHKOV, Mikhail Konstantinovich; KUDYMOV, B.Ya., red.; VOYUTSKIY, V.S., red.; YUNGANS, S.M., ved. red.; VORONOVA, V.V., tekhn. red.

[Basic problems concerning seismic prospecting apparatus; transient processes and resolving power] Osnovnye voprosy seismorazvedochnoi apparatury; ustanavlivaiushchiesia protsessy, razreshaiushchaia sposobnost'. Moskva, Gostoptekhizdat, 1962. 335 p. (MIRA 15:11)
(Seismic prospecting--Equipment and supplies)

POLSHKOV, Mikhail Konstantinovich; KUDYMOV, B.Ya., red.; VOYUTSKIY, V.S., red.; YURGANIS, S.M., red.; VORONOVA, V.V., tekhn. red.

[Basic problems of seismic prospecting apparatus; steady processes and capacity to solve problems] Osnovnye voprosy seismorazvedochnoi apparatury; ustanavlivaiushchiesia protsessy, razreshaiushchaya sposobnost'. Moskva, Gostoptekhzdat, 1962. 335 p. (MIRA 15:10)

(Seismic prospecting--Equipment and supplies)

SEMIKHATOVA, S.V., prof., red.; YUNGANS, S.M., ved. red.; FEDOTOVA,
I.G., tekhn. red.

[Stratigraphic diagrams of Paleozoic sediments] Stratigraficheskie skhemy paleozoiskikh otlozhenii; trudy. Moskva, Gostop-
tekhnizdat. Vol.3. [Carboniferous system] Kamennougol'naya sistema.
Pod red. S.V.Semikhatovoi. 1962. 321 p. (MIRA 15:5)

1. Soveshchaniye po utverzhdeniyu unifitsirovannykh stratigrafi-
cheskikh skhem paleozoya Volgo-Ural'skoy neftegazonosnoy pro-
vintsi, Moscow, 1960.

(Geology, Stratigraphic)

DAKHNOV, V.N., doktor geol.-miner. nauk; KHOLIN, A.I., kand. geol.-
miner.nauk; PESTRIKOV, A.S.; GALUZO, Yu.V.; AFRIKYAN, AM.;
YUDKEVICH, R.V.; POPOV, V.K.; POZH, L.Z.; LARIONOV, V.V.;
VENDEL'SHTEYN, B.Yu.; GORBUNOVA, V.I.; DZYURAK, M.D.; YEVDOKIMOVA,
V.A.; ZHOKHOVA, R.G.; LATYSHEVA, M.G.; MAREN'KO, N.N.; MANCHEVA,
N.V.; MOROZOVICH, Ya.R.; OREKHOVSKAYA, Ye.P.; POKLONOV, M.S.;
ROMANOVA, T.F.; SEVOST'YANOV, M.M.; TANASEVICH, N.I.; FARMANOVA,
N.V.; FEDOROVICH, G.P.; SHCHERBININ, V.A.; ELLANSKIY, M.M.;
YANUSH, Ye.F.; YUNGANS, S.M., ved. red.; YAKOVLEVA, Z.I., tekhn.
red.

[Using methods of field geophysics in studying gas-bearing re-
servoires]Primenenie metodov promyslovoi geofiziki pri izuchenii ga-
zonosnykh kollektorov. Moskva, Gostoptekhzdat, 1962. 279 p.
(MIRA 16:2)

(Gas, Natural--Geology)
(Prospecting--Geophysical methods)

KOMAROV, Sergey Grigor'yevich; MUKHER, A.A., retsenzent; YUNGENS, S.M., ved. red.; ZARETSKAYA, A.I., ved. red.; POLOSINA, A.S., tekhn. red.

[Geophysical methods for well surveying] Geofizicheskie metody issledovaniia skvazhin. Moskva, Gostoptekhnizdat, 1963. 407 p. (MIRA 17:1)

1. Glavnyy spetsialist Upravleniya geofizicheskikh rabot Glavnogo upravleniya geologii i okhrany neдр pri Sovete Ministrov RSFSR (for Mukher).

MIRCHINK, Mikhail Fedorovich; BABA-ZADE, Baba Kurbanovich[deceased];
GEODEKYAN, Artem Aramovich; GODIN, Yuriy Nikolayevich
[deceased]; DENISEVICH, Vladimir Vladimirovich; YUNGANS,
S.M., vad. red.; STAROSTINA, L.D., tekhn. red.

[Regularities in the distribution of oil and gas wells] O
zakonomernostiakh razmeshchenia neftiannykh i gazovykh mesto-
rozhdenni. Moskva, Gostoptekhizdat, 1963. 120 p.

(MIRA 16:9)

(Petroleum geology) (Gas, Natural--Geology)

BURSHTAR, Mikhail Samuilovich; MASHKOV, Igor' Vasil'yevich;
TKHVOSTOV, B.A., kand. geol.-miner. nauk, red.; YUNGANS,
S.M., ved. red.; VORONOVA, V.V., tekhn. red.

[Conditions governing the formation and characteristics of
the distribution of oil and gas pools as revealed by the
study in Ciscaucasia and the Crimean steppes] Uslovia formirovaniia i zakonomernosti razmeshcheniia zalezhei nefi i gaza (na primere Predkavkaz'ia i stepnogo Kryma). Moskva, Gostoptekhizdat, 1963. 264 p. (MIRA 16:7)

(Caucasus, Northern--Petroleum geology)

(Caucasus, Northern--Gas, Natural--Geology)

(Crimea--Petroleum geology)

(Crimea--Gas, Natural--Geology)

STETIYUKHA, Yevgeniy Ivanovich; YUNGANS, S.M., ved. red.;
STAROSTINA, L.D., tekhn. red.

[Equations covering the correlations between the physical
properties of rocks and the depth of their occurrence]
Uravneniia korreliatsionnykh svyazei mezhdu fizicheskimi
svoistvami gornyykh porod i glubinoi ikh zaleganiia. Mo-
skva, Izd-vo "Nedra," 1964. 133 p. (MIRA 17:3)

ACC NR: AP6035893

SOURCE CODE: UR/0413/66/000/020/0130/0130

INVENTOR: Gol'tsman, F.M.; Birman, A. Ye.; Moiseyev, O. N.; Slutskovskiy, A. I.; Bogdanov, V. V.; Yungans, V. Yu.; Kartavtsev, S. M.; Nakhankin, S. A.

ORG: None

TITLE: A device for producing summation tapes based on the method of controlled directional reception of seismic waves. Class 42, No. 187333

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 20, 1966, 130

TOPIC TAGS: seismic wave, seismography, data analysis, electronic equipment

ABSTRACT: This Author's Certificate introduces: 1. A device for producing summation tapes based on the method of controlled directional reception of seismic waves. The installation consists of a magnetic recorder, amplifiers and a multichannel summation unit. The speed of seismogram analysis is increased by basing the multichannel summation unit on delay lines equal in number to the channels to be added. Taps are made from each line corresponding to the various directions of summation, as well as taps from the various delay lines corresponding to one and the same direction of summation. These taps are connected through decouplers and resistors placed at the inputs of the summation amplifiers to filters with their outputs connected to recording galvanometers. 2. A modification of this device in which the winding of the step

Card 1/2

UDC: 550.340.8

AQC NR: AP6035893

switches which reverse the magnetic recording heads is connected to a contact mechanism on the magnetic recording drum. 3. A modification of this device in which scatter in the amplification factors of the summation amplifiers is compensated by making the resistors at the input to these amplifiers in two sections, one of which is a potentiometer. 4. A modification of this device in which summation quality is improved by using an automatic amplification control system after the frequency filters during playback.

SUB CODE: 0908/ SUBM DATE: 23Apr65

Card 2/2

ACC NR: AP7002979 (A) SOURCE CODE: UR/0413/66/000/024/0077/0077

INVENTOR: Slutskovskiy, A. I.; Bogdanov, V. V.; Yungans, V. Yu.

ORG: None

TITLE: A procedure for making kinematic corrections in analyzing seismic recordings. Class 42, No. 189599 [announced by the All-Union Scientific Research Institute of Geophysical Exploration Methods (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov razvedki)].

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 77

TOPIC TAGS: seismologic instrument, wave analysis, tape recorder, SEISMOGRAPHY

ABSTRACT: This Author's Certificate introduces a procedure for making kinematic corrections in analyzing seismic recordings tape-recorded by the reflected wave method. Time delay is used for improving accuracy during forward or reverse playback of the oscillations. A programmed switch is used for varying the number of links in the electric delay line during transcription of a single channel. This switch is mechanically connected to the rotating axle of the magnetic tape drum. In passing from transcription of one channel to transcription of another, the delay time of each link and of the line as a whole is changed by varying the magnetization current passing through the auxiliary windings of the chokes in the delay line in such a way that corrections are made for any channel by exact formulas in minimum time.

SUB CODE: 08, 09/ SUBM DATE: 29Aug64

Card 1/1

UDC; 550.834

L 15819-66 EWT/21/20A/141 CH

ACC NR: AT5028866

1000 : 1000 : 1000

AUTHOR: Slutskovskiy, A. I., Yungana, V. Ye.

GRG: none

TITLE: Calculating the characteristics of equipment
 expecting equipment

SOURCE: Moscow. Vsesoyuznyy nauchno-issledovatel'skiy tsentr po razrabotke i primeneniyu metodov razvedki. Prikladnaya geofizika, no. 2, 1974, p. 10.

TOPIC TAGS: computer application, seismicity, frequency characteristic

ABSTRACT: The authors consider the frequency and phase response of a seismic prospecting equipment. The equivalent circuit is assumed to be made up of an infinite number of elements. Formulas for calculating the frequency and phase response of the m -th element of this type. These formulas are then generalized to a line. A formula is derived for determining the impedance loading.

Card 1/2

1 15819-66

ART. NR. AT5028666

line is an infinite line. It is shown that there is a difference between the loading conditions for a finite line and an infinite line, especially in the last element. Calculations are given relating the real and imaginary parts of the amplitude of the delay line as well as the frequency and phase response of the line to the amplification factor of the preceding element. Calculations are also given for the frequency and phase response of the line for a constant capacitor. Frequency responses were calculated for a line with 100 elements. Calculations for the frequency response are given and the theoretical results are compared with a delay of 0.5 used is compared with the experimental results for a line with this number of elements. Satisfactory agreement between experimental and theoretical data. Orig. art. has 14 figs. and 1 tab.

REF CODE: 09,08/ SUBM DATE: 00/ ORIG FILE:

Card 2/2

ACC NR: AP7005645

SOURCE CODE: UR/0413/67/000/002/0094/0094

INVENTOR: Slutskovskiy, A. I.; Bogdanov, V. V.; Yungans, V. Yu.

ORG: None

TITLE: A method for introducing kinematic corrections. Class 42, No. 190595
[announced by the All-Union Scientific Research Institute of Geophysical Exploration
Methods (Vsesoyuznyy nauchno-issledovatel'skiy institut geofizicheskikh metodov
razvedki)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 2, 1967, 94

TOPIC TAGS: seismologic instrument, error correction, circuit delay line, magnetic recording

ABSTRACT: This Author's Certificate introduces a method for input of kinematic corrections during analysis of seismic recordings made on magnetic tape by the reflected wave method. The procedure is based on the use of a multiple-element electrical delay line in which the delay time is controlled by the magnetizing current and the number of elements. To increase accuracy in the introduction of kinematic corrections, the delay of the line is varied during retranscription of the oscillations in one channel by changing the amplitude of the magnetizing current in conformity with the first term in the series of the kinematic correction formula. A programmed switch is used for selecting the matching load impedance at the line output, and the number of elements in the line during retranscription of each channel is selected in proportion to the square of the distance from the point of the blast.

SUB CODE: 08, 09/ SUBM DATE: 29Aug64

Card 1/1

UDC: 550.834

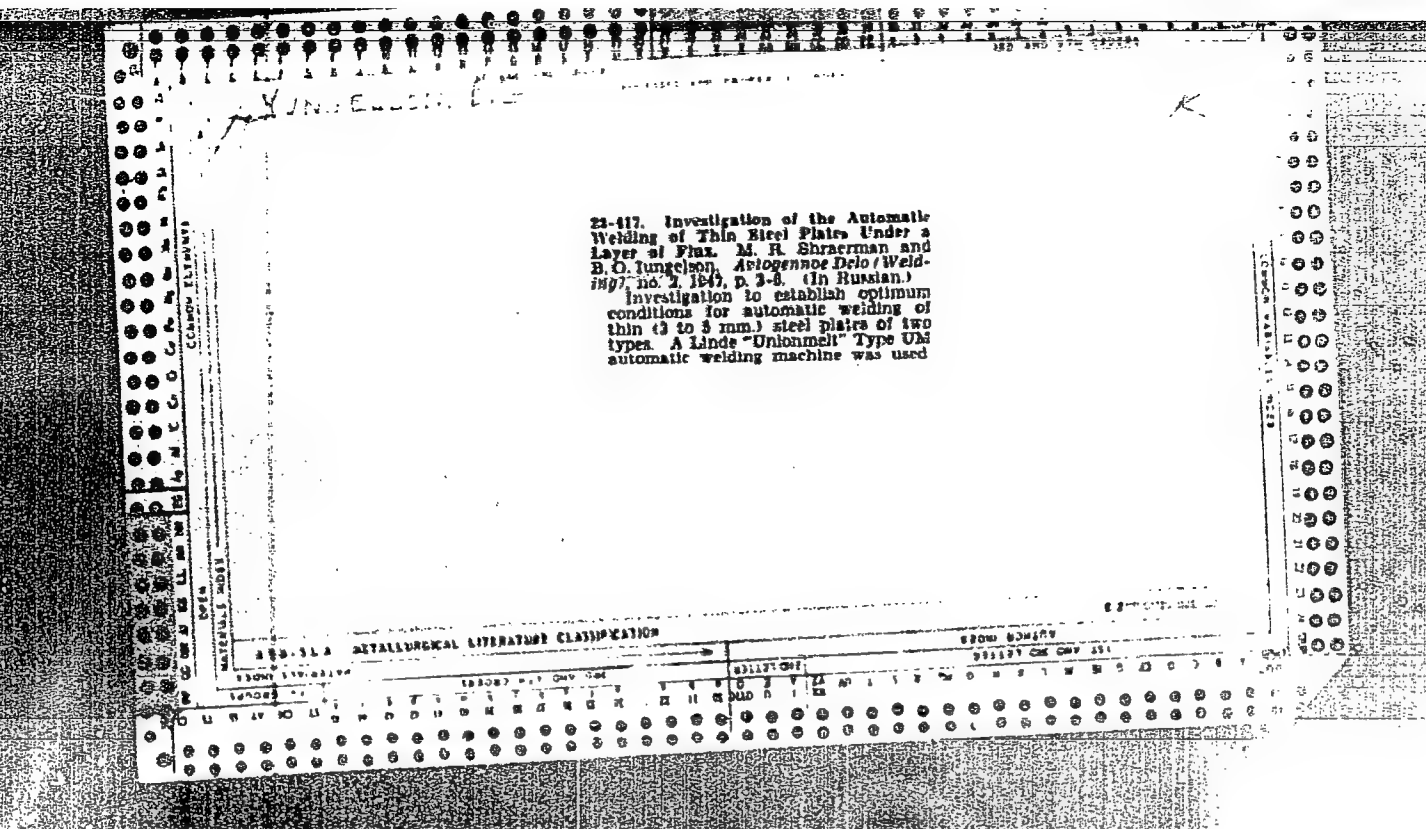
MUZYCHENKO, Nina Mikhaylovna; YURKEVICH, Tat'yana Yakovlevna; BAKIROV, A.A., prof., glav.red.; RYABUKHIN, G.Ye., prof., red.; USPENSKAYA, N.Yu., prof., red.; ZHDANOV, M.A., prof., red.; DOLITSKIY, V.A., dots., red.; SPIKHINA, A.M., kand. geol. nauk, red.; YUDIN, G.T., kand. geol.-min. nauk, red.; TABASARANSKIY, Z.A., dots., red.; BAKIROV, E.A., dots., red.; BYKOV, R.I., dots., red.; FOMKIN, K.V., kand. geol.-min. nauk, red.; KNYAZEV, V.S., dots., red.; SHIROKOV, V.Ya., st. nauchn. sotr., red.; YUNGAS, S.M., ved. red.; NEVEL'SHTEYN, V.I., ved. red.

[Geological conditions and fundamental characteristics of oil and gas accumulations in the limits of the Epi-Hercynian platform in the south of the U.S.S.R.) Geologicheskie usloviia i osnovnye zakonomernosti razmeshcheniia skoplenii nefti i gaza v predelakh epigertsinskoj platformy iuga SSSR. Pod red. A.A.Bakirova. Moskva, Gostoptekhizdat. Vol.1. [Central Asia] Sredniiia Azia. 1963. 442 p. Vol.3. [Volga Valley portion of Saratov and Volgograd Provinces] Saratovsko-Volgogradskoe Povolzh'e. 1963. 153 p. (MIRA 17:4)

1. Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti.

SLUTSKOVSKIY, A.I.; YUNGANS, V.Yu.

Calculation of the characteristics of electric delay lines for
seismic prospecting apparatus. Prikl. geofiz. no.44:25-43 '65.
(MIRA 18:9)



YUNGEL'SON, B. G.

Welding - Welding, Sheet Metal Sep 52

"Semi-Automatic Welding of Sheet Metal Constructions / Spot Angle Welds," M. R. Shrayerman, B. G. Yungel'son, Engineers, S. B. Petelin, Techn. Len

"Aviation Delo" No 9, pp 21-24

Considering welding under flux by means of spot angular welds as most effective method for welding penetrable joints of thin-plate constructions, discusses various elements of technology, such as geometrical parameters

232180

of spot and their dependence on welding conditions, mech properties of spot, selection of spot dimensions and spacing of spots, materials and equipment, prep work for welding, and welding technique. Chief advantage of method is considerable decrease in deformation of constructions to be welded.

232180

LURGELSON, B. G., Shrayerman, M. R., and Petelina, S. B.

"Semi-Automatic Interrupted Fillet Welding of Thin Sheet Assemblies"
(Avto. Delo, 1952, 23, Sept., p. 21)

VI

18(7)

AUTHOR:

Kokh, B. A., Yungelson B. G., and Vsevolodov, G. N.,
Engineers and Bykov, V. A., Candidate of Technical
Sciences

SOV/135-59-6-7/20

TITLE:

Fatigue Strength of the 08 G D N F L - Cast-Steel
Electro-slag Welds

PERIODICAL:

Svarochnoye Proizvodstvo, 1959, Nr 6, pp 24-26 (USSR)

ABSTRACT:

08 G D N F L - steel is broadly applied in shipbuilding
for large welded parts which are working under dynamic
charge. Some of them are joined by electro-slag welds.
The authors give the results of the investigations of
the strength fatigue of electro-slag welded joints for
this kind of steel. The investigation has been carried
out on industrial steel constructed as follows: 0.05%
C, 0.15% Si, 0.59% Mn, 1.18% Ni, 0.85% Cu. Reference 1
gives the chemical breakdown of 08 G D N F L - steel.
The welding was done by an automatic welding torch A-
372 M /Ref 2/. Figure 1 demonstrates the micro-struc-
ture of the base metal and weld metal formed by Cv-10

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Fatigue Strength of the 08 G D N F L - Cast-Steel Electro-slag Welds SOV/135-59-6-7/20

G2 wire. Figure 2 shows the structure temper near the welding zone of the base metal and weld metal. The measurements of the models for investigation of fatigue strength are shown in Figure 3. The skirting of the models has been tested on machines constructed in the "Ship-Building Institute" in Leningrad, [Ref 3]. The article states that the strength fatigue of 08 G D N F L cast-steel at electro-slag welds is not worse than that of other metals. The lack of thermal treatment after welding is not disadvantageous for the fatigue strength of electro-slag weld joints. There are 5 diagrams and 5 Soviet references.

ASSOCIATION: Leningradskiy korablestroitel'nyy institut (Leningrad Shipbuilding Institute) (Vsevolodov, G.N. and Bykov, V.A.) TsNIITS (Kokh, B.A. and Yungel'son, B.G.)

Card 2/2

~~YUNGENBURG-NEMENOVA A.M.~~

EXCERPTA MEDICA Sec 13 Vol 13/2 Dermatology Feb 59

393. ROENTGENOTHERAPY OF ECZEMA VIA CENTRAL AND VEGETATIVE NERVOUS SYSTEM (Russian text) - Yungenburg-Nemenova A. M. Leningrad - TRUDY VOEN. -MED. AKAD. (Leningrad) 1957, 68 (97-103) - Thirty-six patients with chronic eczema (of over 5 years' duration in 23 and over 10 years' duration in 8 cases) including 10 cases of generalized type were treated by X-ray irradiation of the diencephalon (through left or right parietal and temporal areas 6 cm. x 4 cm., with tension 150 kv., 0.5 mm. Al, 1 mm. Cu, single dose 40-80 r.). 6-9 sessions with 4-5 days' intervals were prescribed. Clinical improvement and diminution of pruritus were usually observed after 3-4 sessions. Lesions on the trunk were first to resolve. Cure was effected in 22 cases and marked improvement in 6. The great importance of the nervous system in the causation of the eczematous processes is stressed.

Mashkilleison Jr - Moscow (S)

YUNGER, S.V.

Effect of graphite coated electrode wire upon the properties of
automatically welded 1X18N9T steel. Avtom.svar.6 no.2:57-59 Mr-Ap '53.
(MLRA 7:5)

1. Stalingradskiy filial Giproneftemasha. (Steel--Welding)
(Electrodes)

YUNGER, S.V., inzhener

Trolley welding leads for automatic welding installation. Svar. proizv.
no. 4:25-26 Ap '55. (MIRA 8:9)

1. Stalingradskiy filial Giproneftemasha i zavod imeni Petrova.
(Electric welding)

AUTHORS: ~~Yunger, S.V.~~, Zandberg, S.A.

SOV/125-58-11-15 '16

TITLE: The Automatic Welding of Reactor Tubes in Carbon Dioxide
(Avtomaticheskaya svarka reaktornykh trubok v srede uglekislogo gaza)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 11, pp 90-94 (USSR)

ABSTRACT: The Giproneftemash plant and the Petroleum Machine Building Plant, under the supervision of engineers V.S. Salimon, V.S. Shchekoldin and V.P. Zimin, have developed the mechanized production of "KT-131" reactor tubes with the use of welding in carbon dioxide. Information is given on the devices used including a simple welding stand, a special copying head, a "TS-17M" type tractor and a modernized "GS-500" type generator. The automatic welding in CO₂ of tubes, produces a high quality of seam, and the welding rate is 126 m/hour. The new method provides higher work efficiency and improves work conditions for the operator.

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SOV/125-58-11-15/16

The Automatic Welding of Reactor Tubes in Carbon Dioxide

There are 2 photos and 3 diagrams.

ASSOCIATION: Stalingradskiy filial Giproneftemasha i zavod Neftyanogo mashinostroyeniya im. Petrova (The Stalingrad Branch of Giproneftemash and the Plant of Petroleum Machine Building imeni Petrov)

SUBMITTED: June 12, 1958

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— YUNGER, S. V.

PLAGE I BOOK EXPLOITATION

SOV/SOTB

Academician Nauk USSR, Kiev. Institute electrosvarnykh

Problemy novykh sposoby avtomatizatsii i avtomatizatsii, sbornik statey, izdaniye 3. (Introduction of New Welding Methods in Industry; Col-lection of Articles - v. 3) Kiev Gos. izd-vo tekhn. lit-ry, 1960. 207 p. 5,000 copies printed.

Spetsializatsiya Agencii Odeskia Trudovogo Kaznogo Znamenit Institute elektrosvarnykh i akademika Ye. O. Patona Akademii Nauk Ukrainy SSR.

Ed.: N. Piatrenko; Tech. Ed.: S. Matusevich.

REMARKS: This collection of articles is intended for personnel in the welding industry.

SOURCE: The articles deal with the combined experiences of the Institute electrosvarnykh i akademika Ye. O. Patona (Electric Welding Institute; Lenin Ye. O. Paton) and several industrial enterprises in solving scientific and engineering problems in welding technology. Problems in the application of new methods of me-chanical welding and electroslag welding in industry are discussed. This is the third collection of articles published under the same title. The previous was written by N. Ye. Paton, Academician of the Academy of Sciences Ukrainian SSR and Lenin prize winner. There are no references.

TABLE OF CONTENTS:

YUNGER, S. V. (Candidate of Technical Sciences and Lenin Prize Winner, Electric Welding Institute; Lenin Ye. O. Paton), Ye. M. Mayevskiy (Chief Engineer, Ureclanorobst. (Ukrainian State Administration for Petroleum Refining)), and No. 70 (Chief of Building and Section Administration No. 70, Ministry of Construction, USSR) introducing the method of rolling-up welded structures in the Petroleum Industry 84

YUNGER, S. V. (Candidate of Technical Sciences), and Ye. M. Mayevskiy (Senior Engineer, Electric Welding Institute; Lenin Ye. O. Paton). Experience in introducing automatic and semiautomatic Carbon-dioxide Shielded welding 90

YUNGER, S. V. (Candidate of Technical Sciences), Ye. M. Mayevskiy (Senior Engineer, Electric Welding Institute; Lenin Ye. O. Paton), and A. A. Zander (Chief of Welding Bureau, Stalingradskiy mashinostroyitel'nyy zavod; Lenin Development and Introduction of new techniques in the automatic Shielded Flux-welding of Steel with Chrome Stainless Cladding 99

YUNGER, S. V. (Candidate of Technical Sciences), Ye. M. Mayevskiy (Senior Engineer, Electric Welding Institute; Lenin Ye. O. Paton), and A. A. Zander (Chief of Welding Bureau, Stalingradskiy mashinostroyitel'nyy zavod; Lenin Development and Introduction of new techniques in the automatic Shielded Flux-welding of Steel with Chrome Stainless Cladding 99

SOV/135-59-11-19/26

18(5)

AUTHORS: Ruze, D.N., and Yunger, S.V., Engineers

TITLE: Stalingrad Welders Discuss the Problems of Development and Use of Progressive Welding Methods

PERIODICAL: Svarochnoye proizvodstvo, 1959, Nr 11, pp 41-42 (USSR)

ABSTRACT: In June 1959, the Stalingrad sovnarkhoz, in co-operation with the Oblast' Administration NTO of the Machine-Building and Oil Industries, convened a scientific-technical conference. 250 delegates from different organizations, Institute of Electric Welding imeni Ye.O. Paton, VNIIAVTOGEN, VNIIESO, TsNIITMASH, as well as from local institutes and vuzes participated at the conference. Deputy Chairman of the Stalingrad sovnarkhoz, A.S. Zhikharev, reported on development of welding. The volume of welding should be increased during the next 7 years by 3 times; hence the importance of mechanization and automation of welding processes. The Senior Scientific Worker at the Institute of Electric Welding imeni Ye.O. Paton, B.I. Medovar, told about the work performed at the Institute during recent years. Deputy Chief

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SOV/135-59-11-19/26

Stalingrad Welders Discuss the Problems of Development and Use of Progressive Welding Methods

Engineer of the VNIIAVTOGEN, V.S. Chernyak, reported on the new effective methods of metal heat-treatment. Scientific Worker of VNIIESO, L.A. Shternin, reported on the new method of friction welding. Further reports were delivered by V.S. Salimon (SNIITMASH) - on carbon dioxide shielded arc welding; S.V. Yunger (SNIITMASH) - on new steels 09G2DT (M) and 16GT (3N) of a high weldability; S.A. Zandberg (Plant imeni Petrov) - on automation of welding work when building equipment used in the oil industry; Ye.I. Dragan (Stalingrad Shipyard) - on submerged arc welding applied to ship-building; Ye.B. Mlinov - on electroslog welding; V.M. Yerofeyev (Stalingrad Tractor Works) - on development of contact welding; F.A. Ratin (SNIITMASH) - on co-operation with the Institute of Electric Welding imeni Ye.O. Paton; V.P. Zimin (Plant imeni Petrov) - on production of ribbed pipes for heat-exchanging devices; P.I. Antonov - on the process of automatic surfacing of rollers used in the rolling-mills at the Plant "Krasnyy Oktyabr"; V.P. Belousov (Plant imeni Petrov) and V.Ye. Yershov (Plant "Krasnyy

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SOV/135-59-11-19/26

Stalingrad Welders Discuss the Problems of Development of Use of Progressive Welding Methods

Oktyabr'") - on new methods of cutting and heat-treating high-chrome steels. The Conference has proposed selecting the Welding Laboratory of the SNIITMASH as a base laboratory for the Stalingrad sovmarkhoz.

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S/184/60/000/006/010/012
A104/A130

AUTHOR: Yunger, S. V., Engineer

TITLE: The use of high-resistant and easily weldable steels in oil refineries and chemical machinery plants

PERIODICAL: Khimicheskoye mashinostroyeniye, no. 6, 1960, 39-40

TEXT: In order to achieve economy of metal and decrease the weight of machines the Stalingradskiy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya (Stalingrad Scientific Research Institute of the Technology of Machinery Construction) in cooperation with the Zhdanovskiy metallurgicheskiy zavod im. Il'icha (Zhdanov Metal Plant im. Il'ich) and the Institut elektrosvarki im. Ye. O. Patona (Electrowelding Institute im. Ye. O. Paton) developed easily weldable 09Г2ДТ (М) [09G2DT (M)] and 16ГТ (ЗН) [16GT (3N)] steels [Yunger, S. V. - Ref. 1: Sbornik dokladov na respublikanskoy konferentsii po ekonomii metallov, 25 - 28th Jul, 1958; Asnis, A. Ye., Gavrilenko, N. G., Prokhorov, A. V., Yunger, S. V. - Ref. 2: Sbornik statey "Vnedreniye novykh sposobov svarki v promyshlennost' (Symposium of Articles "Adoption of new welding methods by the industry"), Gostekhizdat, UkrSSR, 1959.]

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S/184/60/000/006/010/012 ✓
A104/A130

The use of high-resistant and...

These new steels are alloyed with manganese, silicon and titanium according to an improved method of extraction and deoxidation. Their wear resistance is 25 - 30% higher than that of Cr.3 (St.3), 15K (15K) and 20K (20K) steels. Further advantages are: adequate plasticity, retention of high resilience at negative temperatures up to -70°C and insensitiveness to hammer hardening, notching and aging. 160 mm plates of the above described steels are supplied in accordance with ЧМТУЦНННЧМ157-59 (CHMTUTaHIIChM 157-59) by the Zhdanov Plant im. Il'ich and by the Nizhne-tagil'skiy i Kuznetskiy metallurgicheskiye kombinati (Nizhniy-Tagil and Kuznetsk Metal Combines). Seamless pipes of 48-350 mm diameter made of 09G2DT (M) steel are supplied in accordance with ТУТ 578-56 (TUT 578-56) by the Zhdanov Plant im. Il'ich and the Yuzhnotrubnoy zavod (Southern Pipe Plant). Reduced content of carbon and proper proportion of other elements render the new steels resistant to welding fractures, also disinclined to overheating and the formation of low-plastic structures. Contrary to standard steels 25K, 19Г (25K, 19G) or chromium 15ХНДС, 14ХГС (15KhNDS, 14KhGS) etc., new steels respond to every type of high-yield welding, including electro slag welding [Ostrovskaya, S. A. - Ref. 3: Avtomaticheskaya svarka, no. 8, 1959; Ostrovskaya, S. A. - Ref. 4: Avtomaticheskaya svarka, no. 5, 1959]. Welding methods with the exception

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The use of high-resistant and...

S/184/60/000/006/010/012
A104/A130

of filler materials, are the same as for conventional types of low-carbon steels. Manual welding is performed by 350A (E50A) electrodes, automatic welding with Ca-08GA (Sv-08GA) wire under AN-348 (AN-348) flux or its equivalent. Machinery of these steels is constructed according to inter-branch MH72-59 (MN 72-59) standard. Their use reduced the weight and material consumption by 20 - 30%, the labour input by 8 - 12%, the consumption of filler material and electric power by 35 - 40% and the cost by 15 - 20%. The steels described are successfully used for oil refinery and chemical machinery construction, the total exceeding 30,000 tons. There are 2 tables and 4 Soviet references.

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88252

S/135/61/000/002/006/012
A006/A001

18.1111

AUTHOR: Yunger, S. V., Engineer

TITLE: On the Use of High-Strength Low-Alloy 09G2DT(M) (09G2DT(M)) and 16GT(3N) (16GT(3N)) Steels

PERIODICAL: Svarochnoye proizvodstvo, 1961, No. 2, pp. 24-28

TEXT: Conventional low-carbon steels do no longer meet the higher requirements to low-temperature operation and processing. For the purpose of replacing low-carbon steels by high-strength low-alloy steels the Zhdanov Plant imeni Il'yich, SNIITMASH of Stalingrad, and the Institute of electric welding imeni Ye. O. Paton developed, tested and introduced two new high-strength low-alloy steel grades: 09G2DT(M) and 16GT(3N) (Ref. 1-6). The investigations were made with the participation of A. Ye. Asnis (Institute of Electric Welding imeni Ye. O. Paton); A. V. Prokhorov, Ye. K. Babayenko (Plant imeni Il'yich); A. S. Aderikhin, V. S. Salimon, V. V. Paleyava, M. P. Mel'nikov, B. G. Voronov (SNIITMASH); V. G. D'yakov and Z. A. Abramova (Giproneftemash). The new steel grades were developed on the basis of their complex alloying with materials available, and by employing an improved deoxidation technology with aluminum and ferrotitanium. The composition of the

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S/135/61/000/002/006/012
A006/A001

On the Use of High-Strength Low-Alloy 09Г2ДТ(М) (09Г2ДТ(М)) and 16ГТ(3Н) (16ГТ(3Н)) Steels

steels is given in Table 1. Critical points and coefficients of linear expansion are shown in Table 2. The new steel grades were subjected to a series of tests to determine their toughness at -40 and -70°C; endurance strength at 450 - 500°C; sensitivity to hot brittleness after 2,000 hours isothermal holding at 300 to 500°C; vibration and impact strength and the effect of the sheet thickness on yield limit and ultimate strength. Weldability of the steels was tested by automatic welding with ЦБ-08ГА (Sv-08GA), ЦБ-10Г2 (Sv-10G2) and ЦБ-12М (Sv-12M) wire; welding of cold-resistant equipment intended for operation at -70°C, and electroslag welding of 70, 90 and 160 mm thick steel. The results of tests are given in a number of tables and diagrams. It was established that the optimum ratios of manganese and silicon in the composition of the new steels compensated the heterogeneous micro-distribution of carbon. A noticeable reduction of ferrite streaks, which diminishes the toughness and ductility of the metal was obtained. The new steel grades offer high economicity, weldability, high-strength properties, satisfactory ductility, high toughness at both negative and elevated temperatures, and low sensitivity to cold working, notching and aging. They can be employed in chemical and heavy machinebuilding, for railroad cars, locomotives and tractors.

Card 2/3

1.1710

also 2708

22938
S/125/61/000/006/002/010
DO40/D112AUTHORS: Yunger, S. V., Mel'nikov, M. P., Logvinov, V. I.

TITLE: Effect of long heating at 350-600°C on impact resistance of austenite-ferritic welds

PERIODICAL: Avtomaticheskaya svarka, no. 6, 1961, 14-20

TEXT: The results are given of an experimental investigation at the Stalin-grad Scientific Research Institute of Machine Building, or SNIITMASH, on the effect of long heating at 350-600°C on the impact resistance of welded joints on 1X18W9T (1Kh18W9T) steel. It was proved that joints welded by automatic machines are less prone to embrittlement than joints welded manually with the same electrode wire. It is a known fact that the presence of ferrite in welds on austenitic steel prevents crystallization cracks, and new wires and electrodes contain ferrite-producing constituents (silicon, vanadium, columbium, etc.), but the ferrite phase in austenite steel welds is unstable at 350-600°C, which is the usual service temperature for 1Kh18W9T steel. Information had been published on brittle failure of welds due to sigma-phase formation. The permissible per cent ferrite content in

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welds is not certain. The article includes the chemical composition of welds produced by different electrodes in SNIITMASH experiments, and of the base 1Kh18N9T metal:

Electrode Weld metal or wire	Content (%)								α-phase in welds (%)
	C	Mn	Si	Cr	Ni	Ti	V	Nb	
	Manual Welding								
Л-39 (L-39) 0X18N9C (OKh18N9S)	0.08	2.69	0.82	18.54	9.25	0.08	-	-	2.7
Л-40M (L-40M) 0X18N9C5 (OKh18N9SB)	0.07	2.88	1.03	18.54	9.64	0.06	-	0.62	5.2
Л-1 (GL-1) 0X18N9C2 (OKh18N9S2)	0.08	1.90	2.70	18.35	9.27	0.04	-	-	7.0
Л-2 (GL-2) 0X18N9C2C2 (OKh18N9F2S2)	0.06	0.74	1.64	18.05	9.42	0.06	2.16	-	16.0
П (D) 0X20N9C2C5 (OKh20N9F2SB)	0.10	1.41	0.94	19.90	9.67	0.08	2.17	1.49	20.0

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Electrode or wire	Weld metal	Content (%)								α -phase in welds
		C	Mn	Si	Cr	Ni	Ti	V	Nb	(%)
<u>Automatic welding</u>										
CS-04x19M9	OX18M9									
(Sv-04Kh19N9)	(OKh18N9)	0.07	1.16	0.78	17.8	9.72	0.026	-	-	1.8
CS-04x18M9C2	OX18M9C									
(Sv-04Kh18N9S2)	(OKh18N9S)	0.07	0.73	1.21	18.84	10.14	0.27	-	-	4.7
CS-05x19M9F3C2	OX18M9FC									
(Sv-05Kh19N9F3S2)	(OKh18N9FS)	0.08	0.75	0.85	18.80	9.55	0.21	1.03	-	7.2
<u>Base metal</u>										
	1X18M9T									
	(1Kh18N9T)	0.09	0.74	0.85	18.80	9.55	0.52	-	-	1.0

The welds were tested after long holding at 350-600°C. The electrodes and wires were standard except for one experimental composition (OKh20N9F2SB). The specimens (plates) were joined manually by butt welds, with edges

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DO40/D112

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bevelled at 30°C, in four beads, using 180-200 amp inverse polarity current. Automatic welds were welded without bevelling edges, by buried arc, with AN-26 (AN-26) flux of the Institut elektrosvariki (Electric Welding Institute), using 700-750 amp 38-40 v a.c., at a speed of 31 m/hr. Standard impact test specimens and separate cylindrical specimens for determination of ferritic phase were subjected to isothermic heating for different times between 100 and 5000 hours. Carbide phase was examined by electrolytic etching in 10 % ferrocyanide solution in water (with 5 volt current, for 5-7 sec). Alpha-ferrite and sigma-phase were revealed by subsequent etching in potassium hydroxide or sodium hydroxide. The structure phases revealed in metallographic examinations were checked by X-ray analysis. It was stated that the impact resistance of welds was higher at ageing temperature than at room temperature, particularly in OKh20N9F2SE metal (3-5 times higher). This means that the reduced impact resistance caused by prolonged heating at 350-600°C is most dangerous when the temperature goes down, e.g. when a machine is stopped, and not in operation. Ageing with carbide separation was established in weld metal with 3% ferrite after 5000 hours at 400°C and 1000 hours at 450°C; at higher temperatures carbides formed not only on the austenite-ferrite boundaries but also in austenite adjoining the ferrite.

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Sigma formed at 550°C. Ferrite became "spongy" as a result of long ageing, split, and after the formation of sigma remained in single spots in the form of an eutectoid consisting of changed austenite and ferrite. Conclusions: 1) The initial content of ferrite component reduces the impact resistance considerably and increases the embrittlement of welded joints over a long time at 350-600°C. 2) The impact resistance drops mainly during the first 1000 hours, it drops more slowly between 1000 and 2000 hours, and then up to 5000 hours the effect of heat is not noticeable. 3) The impact resistance over the entire 350-600°C range rises considerably at ageing temperature in comparison to room temperature. This applies equally to welds embrittled by separation of secondary carbides and sigma, and welds embrittled without sigma formation. 4) Not only the quantity but also the quality of ferrite has a considerable effect, i.e. its distribution in weld metal depending on the welding method and the alloying system. Welds produced by machines have considerably better properties than welds made manually, the ferrite content being equal. 5) In the case of identical austenite-ferrite welding wires, automatically welded joints have considerably better impact resistance than manually welded, for machine welds contain less filler metal and hence less ferrite. V. V. Paleyeva and L. V. Yudina took part in the

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22938

S/125/61/000/006/002/010
D040/D112

Effect of long heating at 350-600°C...

investigations. There are 10 figures, 2 tables and 11 references: 9 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English-language publication reads as follows: L. K. Poole, Sigma and Unwanted Constituent in Stainless Weld Metal, "Metal Progress", v. 65, No. 6, 1954. ✓

ASSOCIATION: Stalingradskiy nauchno-issledovatel'skiy institut tekhnologii mashinostroyeniya (SNIITMASH) (Stalingrad Scientific Research Institute of Machine Technology)

SUBMITTED: August 31, 1960

Card 6/6

L 10300-63 EWP(k)/EWP(q)/EWT(n)/
BDS--AFFTC/ASD--JD/MM/WR
ACCESSION NR: AP300118

AUTHOR: Nechayev, V. A.; Yarger, S. V.

TITLE: Effect of the composition of 1Kh18N9T steel and
intergranular-corrosion resistance after a heating at

SOURCE: Avtomaticheskaya svarka, no. 9, 1963, 14-16

INDEXING: 1Kh18N9T steel, intergranular corrosion, intergranular corrosion resistance

It is well known that the intergranular corrosion of stainless steels is liable to a regular corrosion process. Therefore, studies of the effect of composition and joint of this steel were conducted. Several types of steel with different C/N ratios and six types of welding were studied. It was found that (1) the intergranular corrosion resistance of the intergranular corrosion resistance of 1Kh18N9T steel for a long time with 1/10 of the intergranular corrosion resistance of welded joints of the 1Kh18N9T steel. (2) The intergranular corrosion resistance of 1Kh18N9T steel is higher than that of 1Kh18N9T steel.

I 10100-62

ACCESSION NR: AP000111

and if the joints are annealed for 1 hr at 1100°C
Y. M. Rayevskaya, M. P. Mal'nikov, Dr. F. A. ...
Orig. art. has 3 figures and 1 table

ASSOCIATION: Volgogradskiy nauchno-issledovatel'skiy
mashinostroyeniya (Volgograd Scientific-Research
Technology)

SUBMITTED: 15 May 62

DATE ACQ: 11/11/62

SUB CODE: 00

NO REF SOV: 00

ACCESSION NR: AP4013084

S/0125/64/000/002/0067/0071

AUTHOR: Yunger, S. V.; Gorkunenko, G. N. .

TITLE: Electrosag welding of 16GS(3N) 50-140-mm-thick low-alloy steel

SOURCE: Avtomaticheskaya svarka, ¹⁷⁻no. 2, 1964, 67-71

TOPIC TAGS: welding, electrosag welding, 16GS(3N) steel, low alloy steel, weld metal aging, Sv-10G2 electrode wire, AN-8 flux

ABSTRACT: Results of experiments with a new 16GS(3N) low-alloy steel, intended for equipment and boilers to be used in the petroleum and chemical industries, are reported. The chemical composition of the base and weld metals, was as follows:

Metal	Content %					
	C	Mn	Si	S	P	Ti
Base	0.17	1.04	0.51	0.027	0.032	0.017
Weld	0.12	1.18	0.22	0.027	0.026	*

* Was not determined

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ACCESSION NR: AP4013084

With Sv-10G2 welding wire and AN-8 flux, the welding rate obtained was higher by 20% when compared to 22K steel. The coarse-grain area in the weld-affected zone has a satisfactory initial toughness at temperatures not lower than -10C. Upon normalization with a high tempering, a satisfactory toughness is ensured at temperatures down to -40C. The same area immediately after welding or after a high tempering has a low resistance to workhardness. Normalization with a subsequent high tempering imparts a better resistance to aging to the weld metal and the coarse-grain weld-affected zone down to a temperature of -10C. Pre-normalization of the base metal does not tend to increase the toughness of the large-grain weld-affected zone area. Orig. art. has: no figures, no formulas, and no tables.

ASSOCIATION: Volgogradskiy nauchno-issledovatel'skiy institut tekhnologii machinostroyeniya (Volgograd Scientific-Research Institute of Machine-Building Technology)

SUBMITTED: 22Apr63

DATE ACQ: 26Feb64

ENCL: 00

SUB CODE: ML

NO REF SOV: 005

OTHER: 000

Card 2/2

VAYNER, Sh.A., inzh.; VAYNER, S.A., inzh.; USOL'TSEV, V.A., inzh.;
FOKIN, V.M., inzh.; SOTSKOV, N.I., inzh.; ZANDBERG, S.A., inzh.;
SIGAREV, V.S., inzh.; BRONSHTEYN, L.M., inzh.; YUNGER, S.V., kand.
tekhn. nauk; BATYREV, A.V., inzh.; BODYAKIN, Yu.F., inzh.;
RYZHKOV, N.I., inzh.; YAKHNIN, A.L., inzh.; FRIDKIS, Z.I., inzh.

Furnishing the SGU gas-cutting machine with a FOS-4 scale
photocopying control system. Svar. proizv. no.9:34 S. '65.

(MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tekhnologii
mashinostroyeniya (for Sh.Vayner, S.Vayner, Usol'tsev, Fokin,
Sotskov). 2. Volgogradskiy zavod im. Petrova (for Zandberg,
Sigarev, Bronshteyn). 3. VPTI khimnefteapparatury (for Yunger,
Batyrev, Bodyakin). 4. Ural'skiy zavod tyazhelogo mashinostroyeniya
imeni Sergo Ordzhonikidze (for Ryzhkov, Yakhnin, Fridkis).

1 29381-66 ENT(m)/ENP(t)/EII IJP(c) ID

ACC NR: AP6019796 SOURCE CODE: UR/0286/65/000/004/0113/0113

INVENTOR: Prokhorov, A. V.; Shalamov, I. I.; Fetisov, S. G.; Prokhorov, P. A.;
Tutov, I. Ye.; Parshin, A. A.; Kavash, L. D.; Slutskaya, T. M.; Yungor, S. V. 49

ORG: none

TITLE: Low-alloy steel / Class 18, No 148088

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 113

TOPIC TAGS: low alloy steel, vanadium, boron, tensile strength, heat resistance

ABSTRACT: A low-alloy steel is proposed which has vanadium and boron added to it to increase strength and heat resistance. Its chemical composition is: 0.13-0.18% C, 1.2-1.6% Mn, 0.5-0.8% Si, 0.3-0.6% Cr, 0.15-0.25% Mo, 0.08-0.12% V and 0.003% (max) B. [JPRS]

SUB CODE: 11, 20 / SUBM DATE: none

Card 1/1 CC

TITLE: Welding rod. Class 49, No. 170828

SOURCE: Byulleten' izobreteniy i tovarnykh znakov. No. 7.

TOPIC TAGS: welding, welding rod

ABSTRACT: This Author's Certificate introduces a rod for welding. The rod contains carbon, manganese, silicon, chromium, nickel, niobium, sulfur, phosphorous, and iron. The quality of the weld is improved by using the following percent proportions of components: carbon--0.09; silicon--no more than 0.8; manganese--1-2; chromium--0.6-0.8; titanium--1.0-1.4; aluminum--0.3-0.5; niobium--0.6-0.8; sulfur--0.01; phosphorous--no more than 0.03; remainder--iron.

ASSOCIATION: Volgogradskiy Nauchno-issledovatel'skiy institut

Card 1/2

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963120015-3

SUBMITTED: 08-11-65

ENCL: 00

SUM VOL: 10

NO REF SOV: 000

OTHER: 000

Cord 2/27-6

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963120015-3"

MAKARA, A.M.; ISKRA, A.S.; YEGOROVA, S.V.; YUNGER, S.V.; GORKUNENKO, G.N.;
NIKUYKO, N.A.; ZANDBERG, S.A.; BRONSHTEYN, L.M.

Technology of electric slay welding of petroleum refining and
chemical apparatus without normalization. Avtom. svar. 18
no.5:11-16 My '65. (MIRA 18:6)

1. Institut elektrosvariki im. Ye.O. Patona AN UkrSSR (for Makara,
Iskra, Yegorova). 2. VPTikhimnefteapparatury (for Yunger,
Gorkunenko, Nikuyko). 3. Volgogradskiy zavod im. Petrova (for
Zandberg, Bronshteyn).

L 46600-66 ENT(m)/ENP(v)/T/EMP(t)/ETI/ENP(k) IJP(c) JD/HM/HM/HB
 ACC NR: AP6012584 (N) SOURCE CODE: UR/0314/66/000/004/0027/0029
 (Candidate of technical sciences) (Candidate of technical sciences)

AUTHOR: Grekov, I. N. (Engineer); Yungier, S. V.; Rubenchik, Yu. I.; Kofman, A. P.
 (Candidate of technical sciences); Likhachev, G. F.; Bronshteyn, L. M. (Engineer)
 (Engineer)

ORG: none

TITLE: Production of apparatus from bimetallic sheets obtained by the explosion method

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 4, 1966, 27-29

TOPIC TAGS: bimetal, corrosion resistant steel, explosive forming

ABSTRACT: VNIIP TKh in cooperation with the Volgograd Polytechnic Institute (Volgogradskiy politekhnicheskiy institut) and the Volgograd Plant of Petroleum Machinery im. Petrov (Volgogradskiy zavod neftyanogo mashinostroyeniya) conducted weldability tests on the bimetal St. 3 / Kh18N9T prepared by the new explosion method, and studied its qualitative characteristics at various stages of construction of experimental industrial equipment weighing up to 20 tons. The metal was found to have a good weldability, and

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UDC: 66.05:621.9-419.002.2

I 46600-66

ACC NR: AP6012584

welded structures made of it can be prepared by earlier processes developed for welding bimetals produced by classical methods. Weld joints prepared in this manner were found to have high values of strength and plasticity. In addition to mechanical tests, the weld joints successfully passed tests for intercrystalline corrosion, x-raying, and other checking operations. V. M. Stepanov, V. G. Tugabey, and V. V. Faleyeva took part in this work. Orig. art. has: 2 figures and 1 table.

SUB CODE: 11, 3 SUBM DATE: none

Card 2/2 afs

SAFONNIKOV, A.N.; YUNGER, S.V.

Conference on highly efficient methods of welding in chemical
and petroleum machinery construction. Avtom. svar. 17 no.12:
84-87 D '64 (MIRA 18:2)

1. YUNGERMAN, A. Ya.; MARRIDIN, V. P.

2. USSR (600)

4. Paleontology

7. Present state of Soviet paleontology and the prospects of its development.
Izv. An SSSR Ser. biol., No. 6, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

YUNGERMAN, A.Ye.; MAKRIDIN, V.P.; HALIVKIN, D.V., akademik.

Lower Jurassic deposits of the Krasnooskol boss at the northwestern outskirts of the Donetsk mountain ridge. Dokl.AN SSSR 92 no.2:409-411 S '53.

(MLRA 6:9)

1. Akademiya nauk SSSR (for Halivkin). 2. Khar'kovskiy gosudarstvennyy universitet im. A.M.Gor'kogo (for Yungerman and Makridin).

(Oskol valley--Geology, Stratigraphic) (Geology, Stratigraphic--
Oskol valley)

E 64689-65

ACCESSION NR: AP5021910

ing are described; the results of the investigation are discussed from the qualitative viewpoint and illustrated by diagrams. In order to facilitate the quantitative analysis of the characteristics of the material were experimentally determined, as lower limits of the buckling stress were calculated for specimens with initial imperfections. The deformation of the middle surface of the

L 6618-65 DAT(1)/ENG(2)/T 2 12(10)/SSD/APETB

RAEM(t) AT

ACCESSION NR: AP4043400

S/0181

AUTHORS Anisimova, I. D.; Yungerman, I. M.

TITLE: Recombination radiation of a p-n junction

SOURCE: Fizika tverdogo tela, v. 6, no. 8, 1964, 211

TOPIC TAGS: indium arsenide, recombination emission,
pulsed light, forbidden band, quantum yield

ABSTRACT: Current pulses of 5- μ sec duration and
were applied in the forward direction to a p-n junction
prepared by diffusing Cd into n-type material with
the detection of the emitted recombination

were applied in the forward direction to p-n junctions prepared by diffusing Cd into n-type material with $(5-9) \times 10^{16}$ donors/cm³. The intensity of the emitted recombination increased roughly linearly with the current density. The emission wavelength was not affected by the current. The emitted quanta decreased linearly with increase in current at the rate of 3.5×10^{-4} eV/deg, in agreement with the

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ACCESSION NR: AP4043400

pendence of the forbidden band width (the temperature investigated was room temperature to 77K). At room temperature the combination quanta was 0.40 eV corresponding to the height of the potential barrier in the junction.

combination quanta was 0.30 eV corresponding to $\lambda = 4.1 \times 10^{-7}$ m. The height of the potential barrier in the junction decreased rapidly with temperature than did the forbidden band width. The polarity current pulses also generated recombinations of considerably lower intensity. "The authors thank V. P. Kharakhorn for supplying the materials and for preparing the junctions." Orig. art. has 4 fig.

ASSOCIATION: none

SUBMITTED: 31Mar64

ATB PRESS: 1084

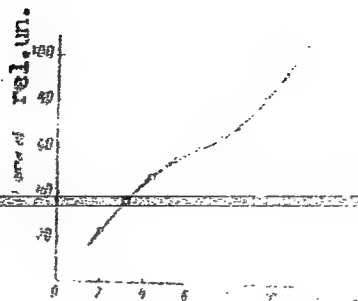
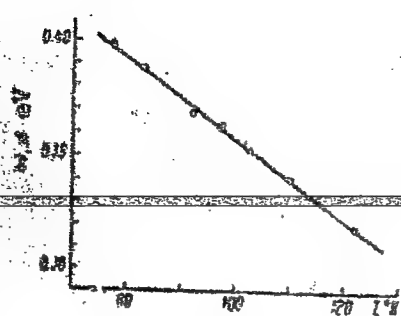
SUB CODE: SS, NP

NOREF SOV: 000

Card 2/3

L 6618-65

ACCESSION NR: AP 4043400



ANISIMOVA, I.D.; YUNGERMAN, V.M.; KULYMANOV, A.V.

Recombination radiation from a p - n-junction in InAs. Fiz. tver.
tela 6 no.8:2555-2556 Ag '64. (MIRA 17:11)

YUNOYEV, A., inzhener.

Norms for overhead expenses in construction industry. Stroitel' 2
no. 11:29 N '56. (MIRA 10:1)

(Construction industry--Costs)

YUNOEROV, S.A.; YUNOEROV, A.A.

Lowering costs of building and assembling. Stroi. prom. 36 no.3:40-
3 of cover Mr '57. (HIRA 11:3)

(Construction industry--Costs)

YUNGEROV, A.A., inzh.

Costs of assembling and construction work in 1957. Biul. stroi.
tekhn. 15 no.8:6-9 Ag '58. (MIRA 11:9)

1. Gosstroy SSSR.

(Construction industry--Costs)

IL'IN, Ivan Mikheylovich; YUNGEROV, A.A., red.; IL'IN, V.M., red.;
LEYKIN, B.P., red.; MALYUGIN, V.I., red.; MASLOV, N.A., red.;
USPENSKIY, V.V., red.; SHASS, N.Ye., red.; KUTSENOVA, A.A.,
red.izd-va; RYAZANOV, P.Ye., tekhn.red.

[Business accounting in building organizations] Khoziasistvennyi
raschat v stroitel'nykh organizatsiyakh. Moskva, Gos.izd-vo
lit-ry po stroit., arkhitekt. i stroit.materialam, 1960. 148/p.
(MIRA 14:2)

(Construction industry--Accounting)

ACC NR: AP7012408

SOURCE CODE: UR/0367/67/005/001/0022/0025

AUTHOR: Gangrskiy, Yu. P.; Markov, L. N.; Polikanov, S. M.; Jungklausen, G. --
Jungklausen, H.

ORG: Joint Institute for Nuclear Research (Ob'yedinenyy institut yadernykh
issledovaniy)

TITLE: Investigation of the reaction $U^{238} + p^{11}$ leading to a spontaneously
fissionable isomer Am^{242}

SOURCE: Yadernaya fizika, v. 5, no. 1, 1967, 22-25

TOPIC TAGS: americium, boron, nuclear isomer, nuclear spin

SUB CODE: 20,11

ABSTRACT: The reaction $U^{238} + p^{11}$ leading to the ground (1-), isomeric (5-) and spontaneously fissionable states of Am^{242} was investigated. The excitation functions have been obtained for the ground and spontaneously fissionable states. For the 5- state, the averaged cross section has been measured in the energy range 50-68 MeV. The spin of the spontaneously fissionable state was evaluated by comparing the cross sections for the production of Am^{242} in various states. The authors thank G. N. Fierov for constant interest in the work, V. P. Pereygin and coworkers of his group for processing and examining the glass detectors, K. A. Gavrilov for preparing the targets, and B. A. Gvozdev

Card 1/2

0932 1339

ACC NR: AP7012408

and S. A. Pleshukovaya for the chemical separation of As and Ga. Orig. art.
has: 3 figures and 1 formula. Based on authors' Eng. Abst. JPRS: 40,393

2/2

BROUNSHTEIN, B.I.; GURVICH, L.V.; YUNOVAN, V.S.; YURKOV, G.N.

Statistical methods of computing the thermodynamic functions of ideal gases. Report No. 1: General relationships of statistical thermodynamics for ideal gas. Trudy GIPKH no.42:3-10 '59. (MIRA 13:10)
(Thermodynamics) (Gases)

BROUNSHTEIN, B.I.; GURVICH, L.V.; YUNGMAN, V.S.; YURKOV, G.N.

Statistical methods of computing the thermodynamic functions of ideal gases. Report No. 2: Expression for the statistical sum based on the states of diatomic molecules. Method of direct summation based on the levels of diatomic molecules. Trudy GIFKH no.42:11-20 '59.

(MIRA 13:10)

(Gases)

(Thermodynamics)

BROUNSHTEYN, B.I.; GURVICH, L.V.; YUNGMAN, V.S.; YURKOV, G.N.

Statistical methods of computing the thermodynamic functions of ideal gases. Report 3: Approximate methods of calculating the statistical sum from the rotational states of diatomic molecules. Trudy GIFKH no.42:21-50 '59.

(Thermodynamics)

(Gases)

(MIRA 13:10)

YUNGMAN, V. S.

Vibrational analysis of the $A^3\Pi-x^3\Sigma$ -system of the OH molecule.
Opt. i spektr. 8 no.2:281-282 7 '60. (MIRA 13:10)
(Spectrum, Molecular) (Hydroxy group--Spectra)